

<b>20410DC</b>	<b><u>Installing and Configuring Windows Server 2012</u></b>	<b>5 DAYS</b>	<b>SATV : YES</b>
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## Course Description

Get hands-on instruction and practice installing and configuring Windows Server 2012, including Windows Server 2012 R2, in this five-day Microsoft Official Course. This course is part one in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

## Course Outline

### Module 1: Implementing IPv4

- Overview of TCP/IP
- Understanding IPv4 Addressing
- Subnetting and Supernetting
- Configuring and Troubleshooting IPv4

### Module 2: Implementing Dynamic Host Configuration Protocol

- Installing a DHCP Server Role
- Configuring DHCP Scopes
- Managing a DHCP Database
- Securing and Monitoring DHCP

### Module 3: Implementing DNS

- Name Resolution for Windows Clients and Servers
- Installing a DNS Server
- Managing DNS Zones

### Module 4: Deploying and Managing Windows Server 2012

- Windows Server 2012 R2 Overview
- Installing Windows Server 2012 R2
- Post-Installation Configuration of Windows Server 2012 R2
- Overview of Windows Server 2012 R2 Management
- Introduction to Windows PowerShell

### Module 5: Introduction to Active Directory Domain Services

- Overview of AD DS
- Overview of Domain Controllers
- Installing a Domain Controller

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## **Module 6: Managing Active Directory Domain Services Objects**

- Managing User Accounts
- Managing Groups
- Managing Computer Accounts
- Delegating Administration

## **Module 7: Automating Active Directory Domain Services Administration**

- Using Command-line Tools for AD DS Administration
- Using Windows PowerShell for AD DS Administration
- Performing Bulk Operations with Windows PowerShell

## **Module 8: Implementing IPv6**

- Overview of IPv6
- IPv6 Addressing
- Coexistence with IPv4
- IPv6 Transition Technologies

## **Module 9: Implementing Local Storage**

- Overview of Storage
- Managing Disks and Volumes
- Implementing Storage Spaces

## **Module 10: Implementing File and Print Services**

- Securing Files and Folders
- Protecting Shared Files and Folders by Using Shadow Copies
- Configuring Work Folders
- Configuring Network Printing

## **Module 11: Implementing Group Policy**

- Overview of Group Policy
- Group Policy Processing
- Implementing a Central Store for Administrative Templates

## **Module 12: Securing Windows Servers Using Group Policy Objects**

- Windows Operating Systems Security Overview
- Configuring Security Settings
- Restricting Software
- Configuring Windows Firewall with Advanced Security

## **Module 13: Implementing Server Virtualization with Hyper-V**

- Overview of Virtualization Technologies
- Implementing Hyper-V
- Managing Virtual Machine Storage
- Managing Virtual Networks